

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P763130

Luminaire Tested: LD6D25D010-EU6DR3020359030-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763130
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D25D010-EU6DR3020359030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2102.7 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



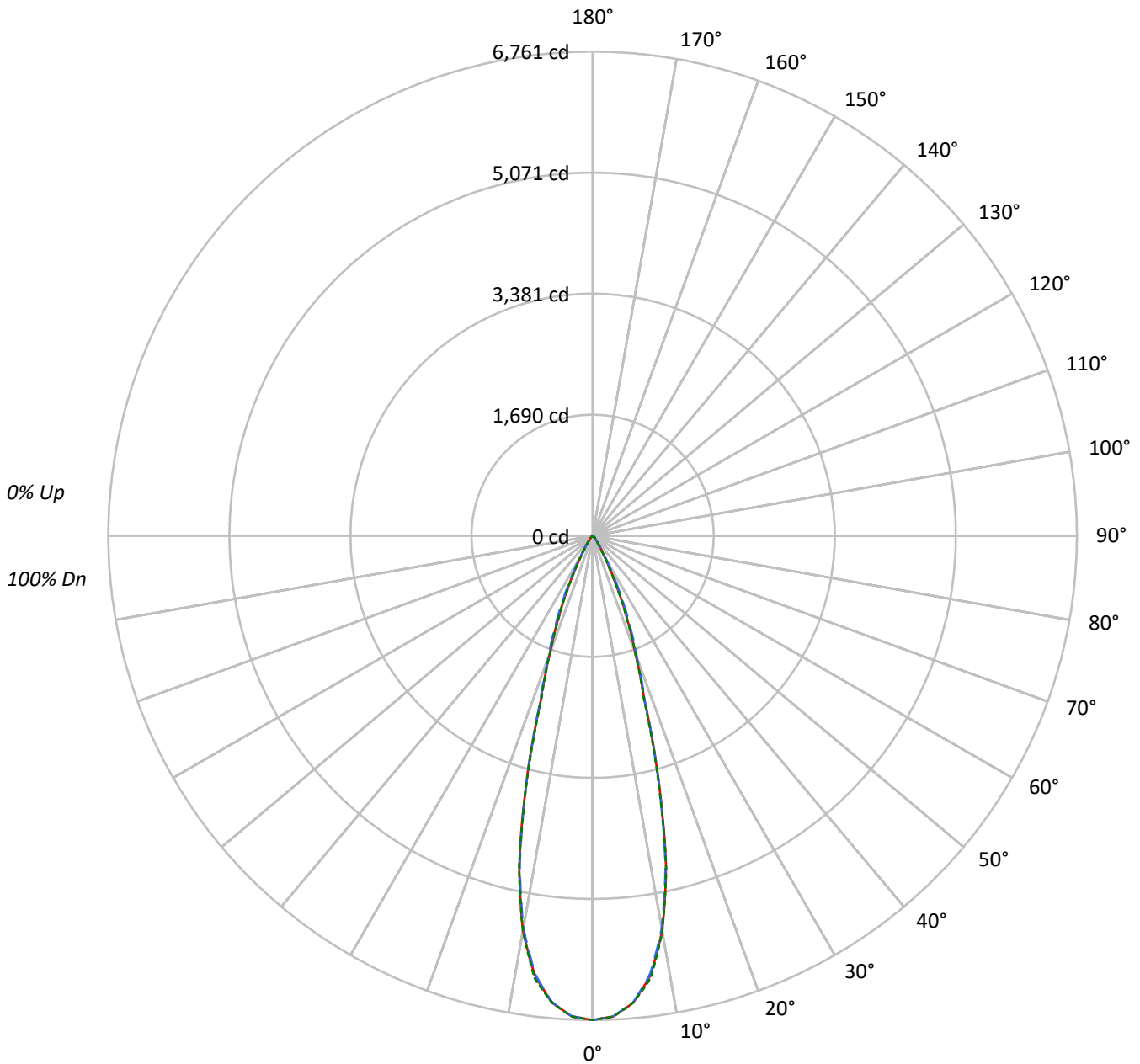
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	517533	517533	517533
5°	502675	502091	502698
10°	435388	432325	435287
15°	284072	282543	281124
20°	141261	146555	141065
25°	71154	80242	69693
30°	28486	31041	24827
35°	13213	12652	10606
40°	5705	6335	5376
45°	4027	4990	4059
50°	1381	3632	1465
55°	801	1508	841
60°	566	658	566
65°	362	362	362
70°	224	157	224
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 4990 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	594.6	28.3
10°-20°	957.5	45.5
20°-30°	413.8	19.7
30°-40°	94.3	4.5
40°-50°	32.4	1.5
50°-60°	7.9	0.4
60°-70°	2.0	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1965.8	93.5
0°-40°	2060.2	98.0
0°-60°	2100.4	99.9
0°-90°	2102.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2102.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6761	6761	6761	6761	6761	
5°	6542	6536	6535	6548	6542	595
15°	3585	3542	3566	3554	3548	960
25°	842	874	950	852	825	403
35°	141	144	135	134	114	96
45°	37	46	46	46	38	26
55°	6	6	11	7	6	6
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6761.3	6761.3	6761.3	6761.3	6761.3
2.5°	6716.5	6711.8	6714.5	6717.8	6719.1
5°	6542.2	6535.9	6534.6	6548.1	6542.5
7.5°	6190.6	6181.7	6168.0	6198.9	6227.8
10°	5601.7	5591.8	5562.3	5576.9	5600.4
12.5°	4732.3	4700.1	4699.5	4746.0	4739.7
15°	3584.8	3541.6	3565.5	3553.9	3547.6
17.5°	2410.7	2394.1	2425.9	2416.3	2374.8
20°	1734.2	1738.4	1799.2	1768.6	1731.8
22.5°	1265.4	1281.0	1353.0	1274.4	1245.5
25°	842.5	874.4	950.1	852.1	825.2
27.5°	518.2	532.8	609.4	511.5	496.9
30°	322.3	315.0	351.2	301.4	280.9
32.5°	211.5	202.1	213.8	191.9	175.3
35°	141.4	144.4	135.4	134.4	113.5
37.5°	88.3	101.6	89.6	95.6	73.1
40°	57.1	73.7	63.4	70.0	53.8
42.5°	46.8	56.8	52.1	55.5	47.8
45°	37.2	46.1	46.1	46.1	37.5
47.5°	20.6	30.9	39.5	31.5	21.9
50°	11.6	15.6	30.5	16.3	12.3
52.5°	8.0	8.9	20.9	9.3	8.3
55°	6.0	6.3	11.3	6.6	6.3
57.5°	4.6	5.0	6.0	5.0	4.6
60°	3.7	3.7	4.3	4.0	3.7
62.5°	2.6	2.6	3.0	2.6	2.6
65°	2.0	2.0	2.0	2.0	2.0
67.5°	1.0	1.3	1.3	1.3	1.3
70°	1.0	0.7	0.7	0.7	1.0
72.5°	0.7	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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